

# **Summary of the Data Elements for**

## **Each Landscape Position**

The following tables provide the range of values for selected attributes within each landscape position (NSLP). Two analyses are provided. The first column shows the field attribute (column or row heading) as found in the NSLP table. The second column gives the range of values found in the database for that attribute within that landscape position. The datum followed by the percent of the total area it represents within that category is provided. The third column gives the range of values found in the database for that attribute within that landscape position. The datum followed by the percent of the map units it represents within that category is provided. The following are descriptions of the attribute fields provided in the analysis:

### **1STSURTEX**

This field contains the surface soil texture code for the Sequence Number 1 soil series found within the map unit.

Elements include:

- C= clay
- FS= fine sand
- FSL= fine sandy loam
- GR-MUCK= gravelly muck
- GRV-L= very gravelly loam
- LFS= loamy fine sand
- LS= loamy sand;
- MARL= marl
- MUCK= muck
- MK-FS= mucky fine sand
- MK-LFS= mucky loamy fine sand
- MK-S= mucky sand
- ROCK= rock
- S= sand
- SCL= sandy clay loam
- SICL= silty clay loam
- SIL= silt loam.

### ECOCOM

This field contains the number of the ecological community as defined by the Natural Resource Conservation Service's (formerly the Soil Conservation Service) publication "The 26 Ecological Communities of Florida.

Elements are:

- NA= no data
- #1= North Florida Coastal Strand
- #2= South Florida Coastal Strand
- #3= Sand Scrub
- #4= Longleaf Pine-Turkey Oak Hills
- #6= South Florida Flatwoods
- #8= Cabbage Palm Flatwoods
- #9= Everglades Flatwoods
- #10= Cutthroat Seeps
- #11= Upland Hardwood Hammocks
- #12= Wetland Hardwood Hammocks
- #13= Cabbage Palm Hammocks
- #14= Tropical Hammocks
- #15= Oak Hammocks
- #16= Scrub Cypress
- #17= Cypress Swamp
- #18= Salt Marsh
- #19= Mangrove Swamp
- #21= Swamp Hardwoods
- #22= Shrub Bogs- Bay Swamps
- #24= Sawgrass Marsh
- #25= Freshwater Marsh
- #26= Slough.

### HYDRIC

This indicates if a COMPNAME is defined as a Hydric soil. If the COMPNAME is hydric the entry is "Y". If the COMPNAME is not hydric the entry is "N".

### SHWT RANGE

This is the high and low value for the average range of the seasonal high water table. Units are in feet.

### SHWT DURATION

This is the average month in which the seasonal high water table begins and ends.

### HYDROGRP

This is the Hydrologic Group for a particular COMPNAME. The codes used with a general description of the soil conditions associated with them are as follows:

A= High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

A/D= Drained/undrained hydrology class of soils that can be drained and are classified.

B= Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils that have moderately coarse textures.

B/D= Drained/undrained hydrology class of soils that can be drained and are classified..

C= Slow infiltration rates. Soils with layers impeding downward movement of water, or soils that have moderately fine or fine textures.

C/D= Drained/undrained hydrology class of soils that can be drained and classified

D= Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

### DRAINCLASS

This is the soil drainage class code, which identifies natural drainage condition of the soil. The code refers to the frequency and duration of periods when the soil is free of saturation. These codes are defined as follows:

E= excessively

MW= moderately well

P= poorly

SE= somewhat excessively

SP= somewhat poorly

VP= very poorly

W= well.

### SOILRUN

This indicates the potential of a COMPNAME to allow chemicals to leave the application site with runoff water and/or detached soil particles. Possible entries are LOW, MEDIUM, or HIGH. Additional information concerning soilrun and other types of Water Quality Interpretations is in Section II-iii-L of the Field Office Technical Guide (FOTG) published by the Florida NRCS.

## Distribution of Data Within NSLP Categories

### NSLP Category 2: Tidal Soils

	Summary By Area	Summary By Map Units
<b>1STSURTEX</b>	NA	MUCK (40%), FS (16%), S (16%), MARL (8%), SIL (6%)
<b>ECOCOM</b>	NA (2%), #19 (70%), #18 (28%)	NA (16%), #19 (53%), #18 (31%)
<b>HYDRIC</b>	YES (100%)	YES (100%)
<b>SHWT Range (ft)</b>	0.0 to 0.5 (94%), 1.0 (4%), 0.0 to 6.0 (2%), Other (less than 1%)	0.0 to 0.5 (84%), 0.0 to 6.0 (16%)
<b>SHWT Duration</b>	JAN to DEC (100%), Other (less than 1%)	JAN to DEC (96%), JUN to OCT (2%), JUN to SEP (2%)
<b>HYDROGRP</b>	D (100%)	D (100%)
<b>DRAINCLASS</b>	VP: (94%), P: (6%)	P: (32%), VP: (68%)
<b>RUNOFF</b>	HIGH (100%)	HIGH (100%)
<b>Major Soil Series</b>	Durbin & Wulfert (31%), Wulfert (11%), Peckish (9%), Kesson (7%), Key Largo (5%), Estero (4%)	Beaches (16%), Kesson (16%), Perrine (6%), Durbin AND Wulfert (4%)
<b>Area (non-water)</b>	96591 HA	96591 HA

### NSLP Category 3: Marl and Rocky Soils

	Summary By Area	Summary By Map Units
<b>1STSURTEX</b>	NA	SIL (31%), MARL (25%), FSL (13%), ROCK (13%), SICL (13%)
<b>ECOCOM</b>	#25 (59%), #24 (36%), #26 (4%), #14 (1%), #18 (less than 1%)	#24 (44%), #25 (32%), #14 (6%), #18 (6%), #26 (6%), ND (6%)
<b>HYDRIC</b>	YES: (100%, excluding rock areas)	YES: (100%, excluding rock areas)
<b>SHWT Range (ft)</b>	0.0 to 1.0 (64%), -1.0 to 1.0 (35%), 0.5 to 1.0 (less than 1%), 0.0 to 0.5 (less than 1%)	0.0 to 1.0 (62%), -1.0 to 1.0 (19%), 0.5 to 1.0 (6%), 0.0 to 0.5 (13%)
<b>SHWT Duration</b>	JUN to SEP (38%), JUN to OCT (17%), JUN to NOV (31%), JUN to DEC (14%)	JUN to SEP (31%), JUN to OCT (13%), JUN to NOV (50%), JUN to DEC (6%)
<b>HYDROGRP</b>	D (100%)	D (100%)
<b>DRAINCLASS</b>	P (78%), VP (21%), SP (1%)	P (81%), VP (13%), SP (6%)
<b>S-RUNOFF</b>	H (74%), M (26%)	HIGH (75%), MED (25%)
<b>Major Soil Series</b>	Biscayne (38%), Perrine (21%), Ochopee (17%), Rock Outcrop - Vizcaya - Biscayne Complex (14%)	Pennsuco (25%), Perrine (19%), Biscayne (16%), Ochopee (13%)
<b>Area (non-water)</b>		86574 HA

#### NSLP Category 4: Everglades Peat

	Summary By Area	Summary By Map Units
<b>1STSURTEX</b>	NA	MUCK (100%)
<b>ECOCOM</b>	#25 (40%), #24 (60%)	#24 (56%), #25 (44%)
<b>HYDRIC</b>	YES (100%)	YES (100%)
<b>SHWT Range (ft)</b>	-2.0 to 0.0 (68%), -1 to 0.0 (32%)	-2.0 to 0.0 (78%), -1 to 0.0 (22%)
<b>SHWT Duration</b>	JUN to APR (68%), JUN to FEB (32%)	JUN to APR (78%), JUN to FEB (22%)
<b>HYDROGRP</b>	D (100%)	D (100%)
<b>DRAINCLASS</b>	VP (100%)	VP (100%)
<b>S-RUNOFF</b>	HIGH (100%)	HIGH (100%)
<b>Major Soil Series</b>	Pahokee (32%), Terra Ceia (31%), Lauderhill (22%), Dania (9%)	Dania (28%), Lauderhill (28%), Pahokee Muck (22%), Terra Ceia Muck (17%), Torrey Muck (6%)
<b>Area (non-water)</b>	297470 HA	297470 HA

#### NSLP Category 5: Muck Depressions

	Summary By Area	Summary By Map Units
<b>1STSURTEX</b>	NA	FS (1%), LFS (1%), MUCK (98%)
<b>ECOCOM</b>	#25 (78%), #24 (4%), #21 (5%), #19 (3%), #17 (3%), Others (less than 1%)	ND (1%), #25 (66%), #24 (13%), #22 (13%), #21 (3%), #19 (1%), #17 (3%), #12 (1%)
<b>HYDRIC</b>	Y (100%)	Y (100%)
<b>SHWT Range (ft)</b>	-2.0 to 0.0 (70%), -1.0 to 0.0 (14%), -2.0 to 1.0 (5%), 0.0 to 0.5 (9%), -1.0 to 1.0 (2%), 0.0 to 1.0 (1%)	-2.0 to 0.0 (65%), -1.0 to 0.0 (16%), -2.0 to 1.0 (4%), 0.0 to 0.5 (9%), -1.0 to 1.0 (5%), 0.0 to 1.0 (1%)
<b>SHWT Duration</b>	JUN to OCT (11%), JUN to DEC (3%), JUN to JAN (7%), JUN to FEB (1%), JUN to MAR (1%), JUN to APR (72%), JAN to DEC (6%)	JUN to OCT (16%), JUN to DEC (6%), JUN to JAN (8%), JUN to FEB (1%), JUN to MAR (5%), JUN to APR (57%), JAN to DEC (6%)
<b>HYDROGRP</b>	D (100%)	D (100%)
<b>DRAINCLASS</b>	VP (100%)	VP (100%)
<b>S-RUNOFF</b>	HIGH (100%)	HIGH (99%), MED (1%)
<b>Major Soil Series</b>	Samsula (17%), Hontoon (13%), Kaliga (11%), Gator (8%), Okeelanta (7%), Sanibel (7%), Terra Ceia (7%)	Gator (10%), Samsula (10%), Terra Ceia (10%), Hontoon (9%), Okeelanta (9%), Sanibel (9%)
<b>Area (non-water)</b>	266548 HA	266548 HA

## NSLP Category 6: Sand Depressions

	Summary By Area	Summary By Map Units
<b>1STSURTEX</b>	NA	C (1%), FS (59%), FSL (6%), LFS (4), LS (2), MK-FS (9%), MK-LFS (2), MK-S (1%), S 23(16%), SCL (1%)
<b>ECOCOM</b>	NA (2%), #26 (6%), #25 (81%), #21 (9%), #16 (2%)	NA (1%), #12 (4%), #16 (1%), #17 (6%), #21 (14%), #22 (2%), #25 (69%), #26 (4%)
<b>HYDRIC</b>	YES (100%)	YES (100%)
<b>SHWT Range (ft)</b>	-2.0 to 0.0 (67%), -2.0 to 1.0 (19%), 0.0 to 0.5 (7%), 0.0 to 1.0 (7%), Others (less than 1%)	-2.0 to 0.0 (70%), -2.0 to 1.0 (9%), 0.0 to 0.5 (9%), 0.0 to 1.0 (11%), Others (1%)
<b>SHWT Duration</b>	JUN to SEP (17%), JUN to OCT (7%), JUN to NOV (1%), JUN to DEC (3%), JUN to JAN (2%), JUN to FEB (11%), JUN to MAR (58%), JUN to APR (1%).	JUN to SEP (11%), JUN to OCT (9%), JUN to NOV (3%), JUN to DEC (4%), JUN to JAN (2%), JUN to FEB (4%), JUN to MAR (63%), JUN to APR (1%), JUL to MAR (3%)
<b>HYDROGRP</b>	D (100%)	D (100%)
<b>DRAINCLASS</b>	VP (92%), P (8%)	VP (89%), P (11%)
<b>S-RUNOFF</b>	HIGH (100%)	HIGH (99%), MED (1%)
<b>Major Soil Series</b>	Riviera (13%), Basinger (10%), Boca, Riviera, Limestone Substratum and Copeland (9%), Floridana (7%), Chobee (5%), Felda (5%)	Floridana (9%), Chobee (9%), Felda (7%), Basinger (6%)
<b>Area (non-water)</b>	534906 HA	534906 HA

## NSLP Category 7: Flats Soils

	Summary By Area	Summary By Map Units
<b>1STSURTEX</b>	NA	FS (81%), LFS (1%), LS (1%), MK-FS (1%), S (15%), SCL (1%)
<b>ECOCOM</b>	NA (2%), #9 (4%), #8 (2%), #6 (2%), #26 (61%), #25 (8%), #22 (2%), #16 (2%), #14 (2%), #13 (4%), #12 (2%), #11 (2%), #10 (4%), #26 (4%)	NA (1%), #6 (1%), #8 (1%), #9 (1%), #10 (2%), #11 (1%), #12 (3%), #13 (4%), #14 (1%), #16 (1%), #22 (1%), #25 (3%), #26 (78%)
<b>HYDRIC</b>		NO (3%), YES (97%)
<b>SHWT Range (ft)</b>	0.0 to 1.0 (94%), 0.0 to 0.5 (2%), -1.0 to 1.0 (4%)	0.0 to 1.0 (84%), 0.0 to 0.5 (14%), -1.0 to 1.0 (2%)
<b>SHWT Duration</b>	JUN to SEP (8%), JUN to OCT (8%), JUN to NOV (41%), JUN to DEC (13%), JUN to FEB (25%), JUN to MAR (5%)	JUN to SEP (9%), JUN to OCT (22%), JUN to NOV (37%), JUN to DEC (9%), JUN to FEB (15%), JUN to MAR (7%)
<b>HYDROGRP</b>	D (100%)	D (100%)
<b>DRAINCLASS</b>	P (100%), VP (Less than1%)	P (99%), VP (1%)
<b>S-RUNOFF</b>	HIGH (100%), MED (Less than1%)	HIGH (99%), MED (1%)
<b>Major Soil Series</b>	Basinger (20%), Pineda (16%), Riviera (12%), Malabar (10%), Holopaw (7%), Valkaria (7%)	Basinger (12%), Pineda (13%), Pompano (9%), Malabar (8%)
<b>Area (non-water)</b>	713013 HA	713013 HA

## NSLP Category 8: Flatwood Soils

	Summary By Area	Summary By Map Units
<b>1STSURTEX</b>	NA	FS (72%), LFS (1%), LS (1%), S (26%)
<b>ECOCOM</b>	#9 (1%), #8 (3%), #6 (74%), #15 (4%), #13 (9%), #12 (4%), #11 (1%), #6 (3%)	#6 (84%), #8 (5%), #9 (1%), #12 (5%), #13 (5%)
<b>HYDRIC</b>	NA	NO (98%), YES (2%)
<b>SHWT Range (ft)</b>	0.5 to 1.5 (99%), Others (less than 1%)	0.5 to 1.5 (99%), Others (1%)
<b>SHWT Duration</b>	JUN to SEP (93%), JUN to OCT (2%), JUN to NOV (1%), JUN to FEB (4%)	JUN to SEP (90%), JUN to OCT (2%), JUN to NOV (3%), JUN to FEB (5%)
<b>HYDROGRP</b>	D (99%), C (1%)	C (1%), D (99%)
<b>DRAINCLASS</b>	P (95%), SP (5%)	P (96%), SP (4%)
<b>S-RUNOFF</b>	HIGH (100%)	HIGH (100%)
<b>Major Soil Series</b>	Immokalee (20%), Myakka (16%), Smyrna (13%), Oldsmar (8%), Wabasso (7%)	Oldsmar (10%), Wabasso (10%), Immokalee (9%), Myakka (8%), Hallandale (6%)
<b>Area (non-water)</b>	1473609 HA	1473609 HA

## NSLP Category 9: Knolls

	Summary By Area	Summary By Map Units
<b>1STSURTEX</b>	NA	FS (59%), GR-MUCK (1%), GRV-L (3%), MUCK (2%), S (34%), SICL (1%)
<b>ECOCOM</b>	NA (9%), #9 (9%), #6 (10%), #4 (10%), #3 (34%), #24 (2%), #2 (9%), #15 (2%), #14 (5%), #11 (8%), #1 (2%)	NA (9%), #1 (1%), #11 (8%), #14 (3%), #15 (4%), #2 (6%), #24 (1%), #3 (38%), #4 (12%), #6 (14%), #9 (5%)
<b>HYDRIC</b>	N (100%)	N (100%)
<b>SHWT Range (ft)</b>	1.5 to 3.5 (16%), 2.0 to 3.5 (30%), 3.5 to 6.0 (26%), 1.5 to 3.0 (2%), 3.5 to 5.0 (3%), 4.0 to 5.0 (11%), 3.0 to 5.0 (2%), 4.0 to 6.0 (2%), 5.0 to 6.0 (2%), 1.0 to 3.0 (5%), Others (less than 1%)	2.0 to 3.5 (30%), 1.5 to 3.5 (16%), 3.5 to 6.0 (12%), 1.5 to 3.0 (11%), 3.0 to 5.0 (8%), 5.0 to 6.0 (7%), 3.5 to 5.0 (4%), 4.0 to 5.0 (4%), 4.0 to 6.0 (4%), 2.0 to 3.0 (3%), 2.0 to 8.0 (2%), 2.5 to 3.5 (2%), 2.5 to 5.0 (2%), 0.0 to 6.0 (1%), 1.0 to 3.0 (1%)
<b>SHWT Duration</b>	JUN to OCT (4%), JUN to NOV (46%), JUN to DEC (21%), JUN to FEB (3%), JUL to OCT (6%), JUL to NOV (15%), JUL to JAN (2%), JAN to DEC (1%), AUG to FEB (1%), Others (less than 1%)	JUN to OCT (10%), JUN to NOV (39%), JUN to DEC (12%), JUN to FEB (1%), JUL to OCT (13%), JUL to NOV (15%), JUL to JAN (3%), JAN to DEC (2%), AUG to FEB (1%), JUN to SEP (4%), JUL to DEC (2%),
<b>HYDROGRP</b>	C (52%), B (14%), A (34%)	A (28%), B (11%), C (61%)
<b>DRAINCLASS</b>	MW (47%), MW-P (2%), SE (3%), SP (36%), SP-MW (2%), W (10%)	MW (46%), MW-P (1%), SE (2%), SP (4%), SP-MW (1%), W (7%)
<b>S-RUNOFF</b>	HIGH (14%), LOW (50%), MED (36%)	HIGH (8%), LOW (40%), MED (52%)
<b>Major Soil Series</b>	Pomello (16%), Tavares (16%), Krome (10%), Zolfo (10%), Satellite (9%), Archbold (5%), Chekika (5%), Sparr (4%)	Pomello (13%), Tavares (5%), Satellite (8%), Archbold (5%), Adamsville (6%), Canaveral (5%), Electra (5%), St. Augustine (5%),
<b>Area (non-water)</b>	242235 HA	242235 HA

## NSLP Category 10: Dune and Central Ridge

	Summary By Area	Summary By Map Units
<b>1STSURTEX</b>	NA	FS (46%), S (54%)
<b>ECOCOM</b>	NA (3%), #4 (28%), #3 (45%), #2 (17%), #11 (7)	NA (1%), #11 (5%), #2 (13%), #3 (51%), #4 (28%)
<b>HYDRIC</b>	N (100%)	N (100%)
<b>SHWT Range (ft)</b>	6.0 to 6.0 (98%), 0.0 to 6.0 (2%)	6.0 to 6.0 (99%), 0.0 to 6.0 (1%)
<b>SHWT Duration</b>	N/A (98%), JUN to OCT (2%)	N/A (99%), JUN to OCT (1%)
<b>HYDROGRP</b>	A (100%)	A (100%)
<b>DRAINCLASS</b>	E (92%), W (6%), Others (2%)	E (79%), E-P (1%), W (18%)
<b>S-RUNOFF</b>	LOW (99%), MED (1%)	LOW (95%), MED (5%)
<b>Major Soil Series</b>	Candler (45%), Astatula (24%), Neilhurst (7%), St. Lucie (5%)	Astatula (10%), Candler (18%), Paola (15%), St. Lucie (21%)
<b>Area (non-water)</b>	135398 HA	135398 HA